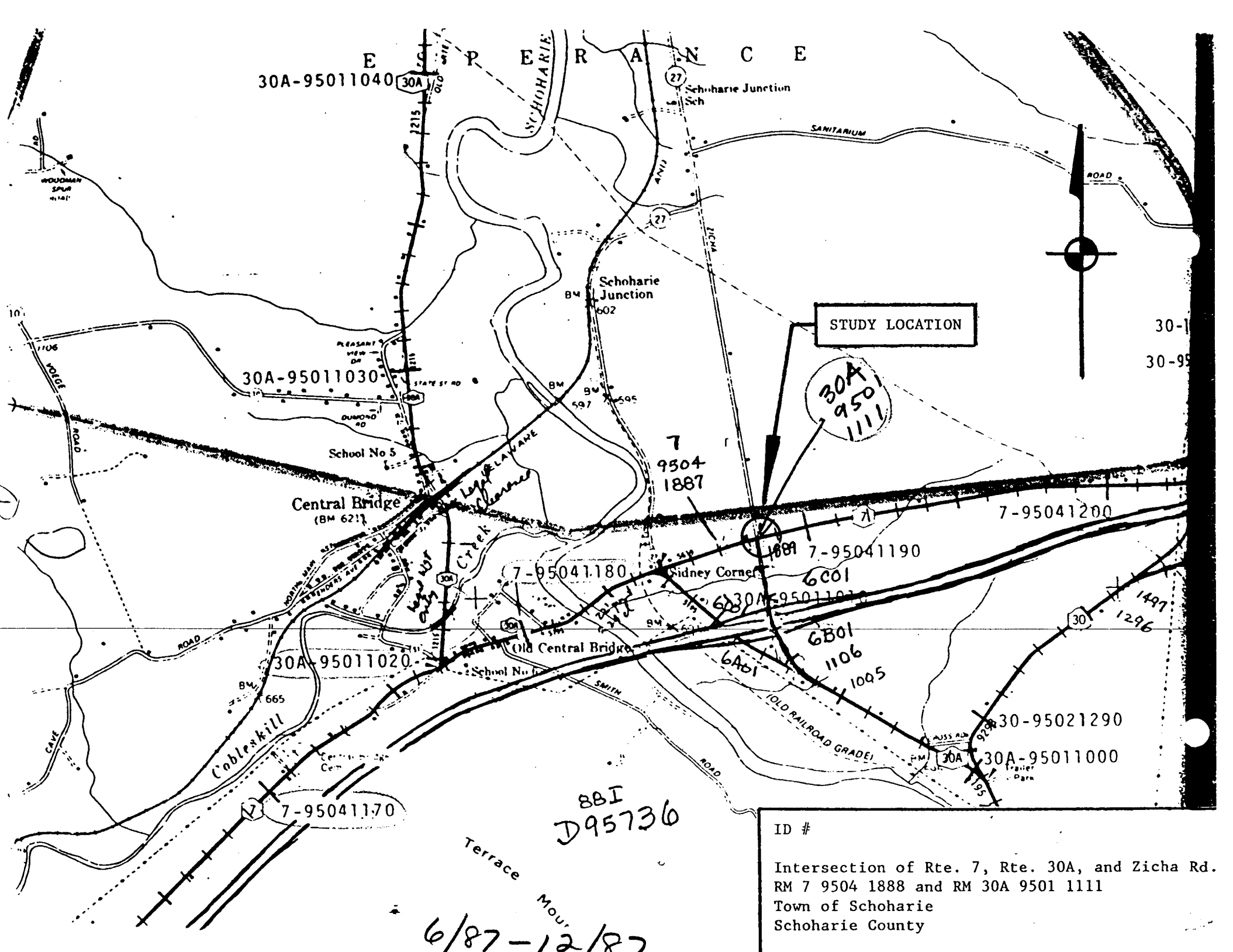


New York State
Department of Transportation

1987 Safety Study

(Number of pages excluding this cover sheet – 16)



E P E R A N C E

30A-95011040

Schoharie Junction

SANITARIUM

STUDY LOCATION

30A
950
1111

7
9504
1887

30A-95011030

School No 5

Central Bridge
(BM 621)

7-95041200

7-95041180

7-95041190

Sidney Corner

30A-95011020

(Old Central Bridge)

6B01

1106

1095

Coblenkill

7-95041170

88I
D95736

Terrace

Mour

6/87-12/87

ID #

Intersection of Rte. 7, Rte. 30A, and Zicha Rd.
RM 7 9504 1888 and RM 30A 9501 1111
Town of Schoharie
Schoharie County

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
TRAFFIC AND SAFETY DIVISION
SAFETY BENEFITS
EVALUATION FORM

TRAFFIC & SAFETY IDENTIFICATION NUMBER		
EVALUATION OF ALTERNATE NO: _____		
STUDY PERIOD	From <u>2/1/84</u>	To <u>12/31/87</u>
		No. of Yrs. <u>3</u> <u>10</u> Mo

LOCATION	Route No. or Street Name <u>NY 7</u>	State Highway No. <u>5619</u>	From or At Reference Marker <u>7</u> <u>9</u> <u>5</u> <u>0</u> <u>4</u> <u>1</u> <u>8</u> <u>8</u> <u>8</u>					
	At Intersection With (If Applicable) <u>NY 30A and Zicha Road</u>	Route No. or Street Name	State Highway No.	To Reference Marker				

PROJECT DATA	PROPOSED IMPROVEMENT: <u>Install flashing traffic signal.</u>	
	VCF based on an assumed growth rate of 1% per year and a Service Life of 10 years. Present AADT: _____ Future AADT: _____ Volume Correction Factor (VCF): <u>1.05</u>	

REDUCTION CALCULATION	METHOD I (From Reduction Factor Table) Average Reduction Factor <u>45</u> % of right angle accidents	
	METHOD II (Engineering Analysis)	METHOD III (For General Upgradings)
	a. Total Accidents: <u>14</u>	a. Existing Accident Rate: _____
	b. Accidents Reduced: <u>3.6</u>	b. Future Accident Rate: _____
	c. Calculated RF (b ÷ a): <u>25.7</u> %	c. Difference (a - b): _____
		d. Calculated RF (c ÷ a): _____ %

BRIEFLY EXPLAIN HOW EXPECTED REDUCTION WAS DERIVED: <u>Table I Accident Reduction Factors (revised) estimates that 45% of right angle collisions can be reduced by installing a new flashing red/yellow traffic signal.</u>
--

SIGNIFICANCE CHECK OF SEVERITY DISTRIBUTION

	FATAL	INJURY	F & I	PDO	TOTAL
a. % by severity	<u>1</u>	<u>36.6</u>	<u>37.6</u>	<u>62.4</u>	<u>100%</u>
b. actual	<u>1</u>	<u>5</u>	<u>6</u>	<u>8</u>	<u>14</u>
c. expected		<u>5.1</u>	<u>5.3</u>	<u>8.7</u>	<u>14</u>
d. difference		<u>-0.1</u>	<u>0.7</u>	<u>-0.7</u>	
e. significance		<u>No</u>	<u>No</u>		

BEFORE COST PER ACCIDENT CALCULATION

TYPE	NO. ACC.	COST/ACC	ACC. COST
Fatal	_____	x _____	= \$ _____
Injury	_____	x _____	= _____
F & I	_____	x _____	= _____
PDO	_____	x _____	= _____
TOTAL			\$ _____

BEFORE COST/ACC (Tot. Acc. Cost ÷ Tot. Acc.) \$ _____

SAFETY BENEFITS	A. ESTIMATED ANNUAL ACCIDENT COST WITH NO IMPROVEMENT: ACC/YR <u>3.66</u> x VCF <u>1.05</u> x BEFORE COST/ACCIDENT <u>10,800</u> = \$ <u>41,504</u>
	B. ESTIMATED ANNUAL ACCIDENT COST WITH PROPOSED IMPROVEMENT: ACC/YR <u>3.66</u> x VCF <u>1.05</u> x (1.00 - <u>25.7</u> RF) x AVG. COST/ACC <u>10,800</u> = \$ <u>30,838</u>
ESTIMATED ANNUAL SAFETY BENEFITS (A - B) = \$ 10,666	

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
TRAFFIC AND SAFETY DIVISION

PROJECT BENEFIT
AND COST SUMMARY

1.
2.
3.
4.

LOCATION
BENEFITS SUMMARY
COST SUMMARY
B/C RATIOS

IDENT N°

TOWN
 CITY OF Schoharie
 VILLAGE

ROUTE NO. OR STREET NAME NY 7	STATE HIGHWAY NO. 5619	FROM OR AT REFERENCE MARKER 7 9 5 0 4 1 8 8
At Intersection With	ROUTE NO. OR STREET NAME NY 30A and Zicha Road	STATE HIGHWAY NO. TO REFERENCE MARKER

ANNUAL SAFETY BENEFITS: \$ 10,666 (Attach Form TE 164 or other documentation)

ANNUAL SERVICE BENEFITS: \$ _____ (Explanation and calculation must be in project report.)

OTHER ANNUAL BENEFITS: \$ _____ State their nature under "comments" and provide an explanation in the project report.

TOTAL ANNUAL BENEFITS: **\$10,666**

COST ITEM OR PROJECT ELEMENT	SERVICE LIFE (YEARS)	COST (\$)	CRF @ 10%	ANNUALIZED COST (\$)
<u>Flashing traffic signal</u>	<u>10</u>	<u>18,000</u>	<u>.16275</u>	<u>2,930</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
ITEM SUBTOTAL				<u>18,000</u>
ANNUALIZED ITEM SUBTOTAL				<u>2,930</u>
PERCENT USED FOR CONTINGENCIES <u>10%</u>	TOTAL COST OF CONTINGENCIES <u>1,800</u>		EQUIVALENT ANNUAL COST OF CONTINGENCIES	<u>293</u>
ANNUAL COST FOR SPECIAL MAINTENANCE, OPERATION, ENERGY				<u>375</u>
TOTAL CAPITAL COST				19,800
			TOTAL ANNUALIZED COST	3,598

Please keep in mind that any Recommendation for Programming is based on the costs summarized here. Cost escalations during subsequent project development may necessitate the project's priority to be re-evaluated.

SAFETY BCR	= $\frac{\text{ANNUAL SAFETY BENEFIT}}{\text{TOTAL ANNUAL COST}}$	=	
SERVICE BCR	= $\frac{\text{ANNUAL SERVICE BENEFIT}}{\text{TOTAL ANNUAL COST}}$	=	
TOTAL PROJECT BCR	= $\frac{\text{TOTAL ANNUAL BENEFITS}}{\text{TOTAL ANNUAL COSTS}}$	=	2.96

COMMENTS (Use additional sheets if necessary.)

December 17, 1987

Honorable Charles D. Cook
Senator, 40th District
New York State Senate
Albany, New York 12247

Dear Senator Cook:

This is in further response to your letter of August 26, 1987 suggesting that a flashing signal be installed at the intersection of NY 7 and NY 30A at Zicha Road in the Town of Schoharie, Schoharie County.

We are pleased to advise that as a result of our study, we do plan to install a flashing signal at this intersection. We would expect that this installation can be made during our 1988 construction season.

Very truly yours,

~~WILLIAM S. ...~~
~~JAMES K. CONNORS~~

JAMES K. CONNORS, P.E.
Regional Director

JKC:RAM:cml

cc: Sgt. W. Ropelewski, Traffic Supervisor, NYS Police Troop G
W. VanEekeren, Supervisor, Town of Schoharie

bcc: R. Gardeski, Traffic & Safety, Bldg. 5, RM. 312
CAG - 2 copies

D. Paddick, Safety Evaluations & Development
BPS Dan - Please develop HES funding if possible for this flasher as well as the flashers at NY 12 and 220 and NY 12 at Prentice/Port Road. Gary Winans will provide the information he has available.

G. Winans, Supervisor, Traffic Control & Operations



MEMORANDUM
DEPARTMENT OF TRANSPORTATION

S987-0219

TO: Robert A. MacMonigle, Regional Traffic Engineer

FROM: Bernard J. Gerrer, Traffic Control & Operations *BJG*

SUBJECT: ROUTE 7 AND 30A
TOWN OF SCHOHARIE

DATE: December 1, 1987

Reference the request for a flashing signal at Route 7 with Route 30A and Zicha Road in the Town of Schoharie.

A three year accident printout indicates 8 accidents: 1-fatal, 2-PI, 5-property damage. *2/84-1/87*
3 r t g

On each of the approaches to the intersection, sight distance is more than adequate and volume is light during the midday observation time. Signing is adequate and the Stop sign on Route 30A has flashing red beacons mounted on same. Pavement markings are highly visible on all approaches including 100'± on Zicha Road.

The beacons on the Stop sign were installed March 28, 1984 and all the above accidents occurred after the beacon installation.

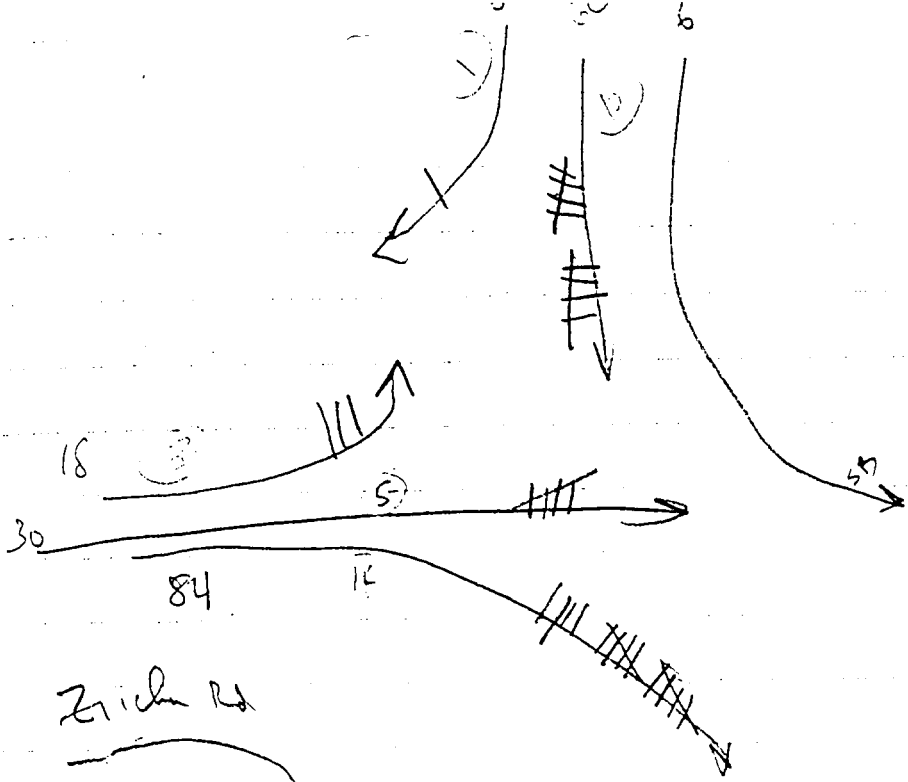
Given the above data, a flashing signal is not warranted per the Manual.

BJG:CML

12/3 Sgt R will send down copies of 8-1986 9-1987 reports in vicinity. lets wait for this info

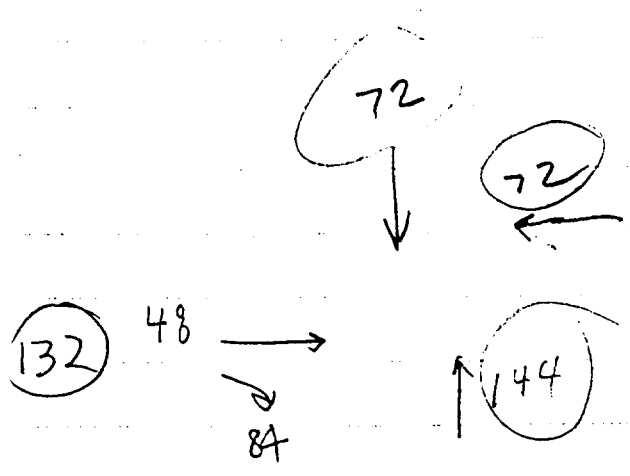
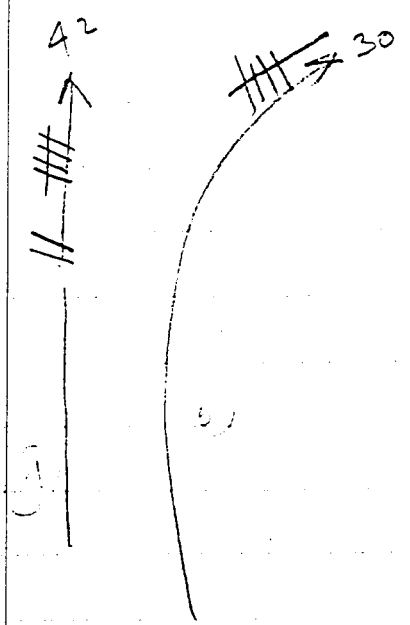
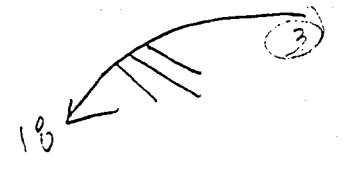
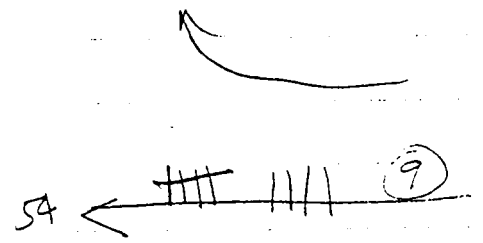
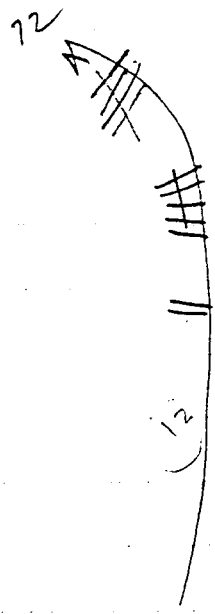
*→ COWW → [SG
12/7 Three of the attached reports involve Vermont drivers coming from or going to Zicha Rd.!*

2.10-2.20
10/28/87



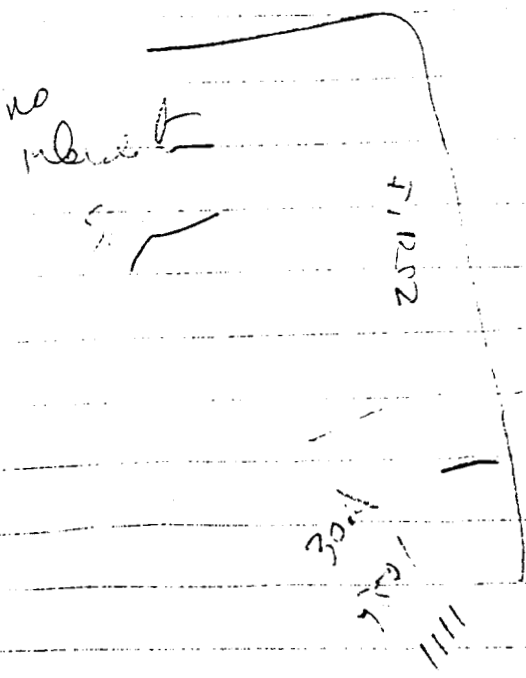
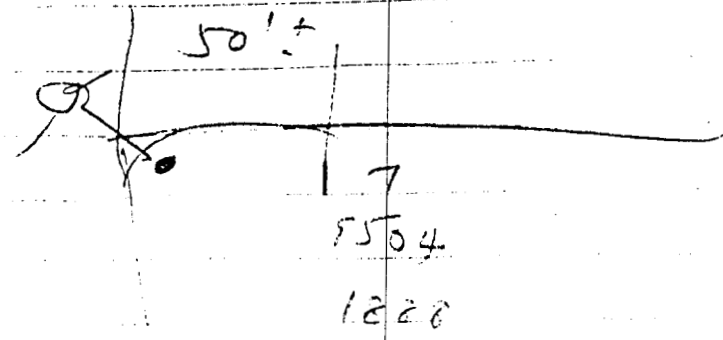
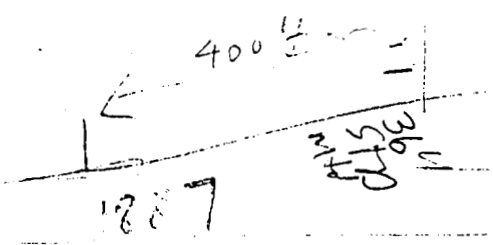
Zrich Rd

+ small grade
 + from electrical



144

104 2011
Zichard Rd



① Need R/T arrow
for 7 E/B to
30A S/B
(off highway)
lights

④ Pause
Stop 9 by
of 1 box
to 71 S/B Zichard

in front of
Stop Mark 9

⑦

②
wait for
w/ 7
back to old

③ Ask Zichard
PA owner to
get rid of summer

→ Operations
② → BG

October 21, 1987

Honorable Paul D. Tonko
Assemblyman 105th District
Room 938
Legislative Office Building
Albany, New York 12227

Dear Assemblyman Tonko:

Re: INTERSECTION ROUTE 7, ROUTE 30A, AND ZICHA ROAD
TOWN OF SCHOHARIE, SCHOHARIE COUNTY

This is in response to your letter of September 1987 regarding Mr. Glenn Inghram's concern over traffic safety at the intersection of Routes 7 and 30A at Zicha Road located in the Town of Schoharie. Our Traffic and Safety unit has already initiated an investigation at this location which should be completed within approximately two months. The results of our investigation will be forwarded to your office upon completion.

If you have any concerns or questions in the interim, please do not hesitate to contact the Regional Traffic Engineer, Robert MacMonigle, or me at [REDACTED].

Very truly yours,

ORIGINAL SIGNED BY:
JAMES K. CONNORS

JAMES K. CONNORS, P.E.
REGIONAL DIRECTOR

JKC:RAM:cm1

cc: Sgt. W. Ropelewski, Traffic Supervisor, NYS Police Troop G

BPS SGT. ROPELEWSKI: - Please send us copies of any accidents that have occurred at subject intersection during

bcc: R. Gardeski, Traffic & Safety, Bldg. 5, Rm. 312
CAG - 2 copies
R. A. MacMonigle, Regional Traffic Engineer



PAUL D. TONKO
ASSEMBLYMAN 105TH DISTRICT

ROOM 742 LEGISLATIVE OFFICE BUILDING
ALBANY, NEW YORK 12248
(518) 455-5197

1925 CURRY ROAD
ROTTERDAM, NEW YORK 12303
(518) 356-5497

16 E. MAIN STREET
AMSTERDAM, NEW YORK 12010
(518) 843-0227

September 1987


James K. Connors
Director
Southern Tier, Region 9
New York State Department of Transportation
81 State Street
Binghamton, New York 13901

Dear Mr. Connors:

Enclosed please find a letter from Glenn H. Inghram pertaining to the intersection of Route 30A, Route 7 and Zicha Road. Due to his concern, I am requesting a formal investigation of this intersection.

I will appreciate any help you can provide in this matter. If I can be of assistance to you, please do not hesitate to contact me or the office in Amsterdam.

Sincerely,


Paul D. Tonko
Member of Assembly

PDT/A582/cig
Enclosure

*cross accidents
draft return response
: noise study*
THE ASSEMBLY
STATE OF NEW YORK
ALBANY

OCT 16 1987

27

*accs ordered
study transferred to operations*

REC'D. REG. #9	
OCT 15 '87	
RTE.	INIT.
REG. DIR.	
CONSTR.	
DESIGN	
EQ. MGMT.	
TRV. MAINT.	
PERSONNEL	
PLANNING	
REAL EST.	
SAFETY REP.	
TRAFFIC	

*per Memo of
10-21-87*

*(Operations is
currently studying)*

- CHAIRMAN
- SUBCOMMITTEE
- TEEN FIREFIGHTERS
- SUBCOMMITTEE
- ALTERNATIVE ENERGY TECHNOLOGIES
- COMMITTEES
- AGRICULTURE
- TOURISM
- COMMERCE
- ENERGY
- ENVIRONMENTAL CONSERVATION
- LOCAL GOVERNMENT
- ALCOHOLISM & DRUG ABUSE
- SUBCOMMITTEES
- AGRICULTURAL MARKETING IN NEW YORK STATE
- SPECIAL PROBLEMS OF THE AGING

*James
Connors*

FILE

August 31, 1987

5987-0219

DD 12-1

Honorable Charles D. Cook
Senator, 48th District
New York State Senate
Albany, New York 12247

Dear Senator Cook:

Re: ROUTES 7 AND 30A
TOWN OF SCHOHARIE

We have received your letter regarding traffic problems at the intersection of Routes 7 and 30A in the Town of Schoharie in Schoharie County.

A study has been initiated and, when completed, we will inform you of the results.

Very truly yours,
ORIGINAL SIGNED BY:
JAMES K. CONNORS

JAMES K. CONNORS, P.E.
REGIONAL DIRECTOR

JKC:RAM:GWW:BJG:cml

cc: Sgt. W. Kopelowski, Traffic Supervisor, NYS Police Troop G

bcc: R. Gardeski, Traffic & Safety, Bldg. 5, RM. 312
CAG - 2

NEW YORK STATE SENATE
ALBANY, NEW YORK 12247



CHARLES D. COOK
SENATOR, 40TH DISTRICT

DISTRICT OFFICE
BOX 351
DELHI, NEW YORK 13753

Please draft act. for JKC and update accident history.

AUG 30 1987

7-11-10 (12)

REC'D. REG. #9	
AUG 28 '87	
RTE.	INIT.
REG. DIR.	
ADMIN.	
CONSTR.	
DESIGN	
EQ. MNGT.	
HWY. MAINT.	
PERSONNEL	
PLANNING	
REAL EST.	
SAFETY REP.	
TRAFFIC	

August 26, 1987

103739

BJG
5987-0219
DD 12-1

Mr. James K. Connors, Regional Director
N.Y.S. Department of Transportation
81 State Street
Binghamton, New York 13901

Dear Jim:

I am writing in conjunction with a problem in the Town of Schoharie where Route 7 at New York Route 30A intersects with Zicha Road in Schoharie County.

In late 1983 or early 1984, your department installed red flashing beacons on top of the stop sign facing northbound traffic on Route 30A in the hopes of eliminating accidents at that intersection.

I have been contacted again and asked to request that the D.O.T. install an overhead flashing control device. In other words, this type would flash a yellow warning signal to east and west bound route 7 warning them to slow down for a potentially dangerous intersection. North bound route 30 and southbound Zicha Road would have a flashing red light warning them to stop completely.

I would appreciate your thoughts on this matter.

Sincerely,

[Signature]

CHARLES D. COOK

Senator

CDC:drh

acc. search requested 8-31-87

(11)

ASSEMBLYMAN
JUN 7 1987
PAUL D. TONKO

L656

[REDACTED]

Albany, NY 12203-1718
June 24, 1987

Assemblyman Paul D. Tonko
Room 725 Legislative Office Bldg.
Albany, NY 12248

Dear Assemblyman Tonko,

Greetings from a former constituent! One year ago I moved from your district to the city of Albany. I imagine you have removed my name from your mailing list by this time. If not, please do so as to save unnecessary postage costs.

First, as a former resident of the Schoharie area, I would like to thank you for your efforts on behalf of those affected by the flooding and subsequent collapse of the thruway bridge. You are always right there with the people.

However, my main reason for writing is my concern over a very dangerous intersection east of the village of Central Bridge in Schoharie County. This intersection was newly created by the completion of Interstate 88 some years ago. The intersection in question is where route 30A, route 7, and Zicha Rd meet at the foot of Oakhill. The intersection has been the scene of many bad accidents, the last one occurring just last week when five people were injured. The main problem is that cars traveling north on 30A or south on Zicha Rd do not heed stop signs, but instead proceed carelessly into the intersection, occasionally leading to accidents with route 7 traffic. Neighbors have contacted DOT, but until now the only warning of the need to stop is a flashing sign mounted on the stop sign for 30A traffic only. What is needed, but what DOT seems totally dead set against is a flashing traffic signal mounted above the intersection; flashing red for 30A north and Zicha Rd south and flashing yellow for both directions of route 7.

It is my hope that your influence and assistance could convince DOT of the need for such a traffic control device. My parents live in the vicinity of the intersection and I also occasionally use the intersection when visiting them; as such I would like to see a safer intersection.

Thank you very much for your assistance in this matter. Please advise me of your efforts.

Sincerely,
[REDACTED]
Glenn H. Inghram

MISC Acc Dat

HIGHWAY LOCATION RANGE: 7 9504 1184-1190 DATES: 02/84-01/87 OPT/AADT: A/0000

ON-LINE ACCIDENT DATA AVAILABLE ONLY FOR PERIOD JANUARY 1981 - JANUARY 1987

7 07/15/84, SUN 06PM, , INJ- 2, VEH- 1, OVERTURNED , HANR-UNK, INT-94
9504 VEH 1, GOING STRAIGHT , ON ROAD , TRAVEL-E , UNKNOWN MCY
1185 CLEAR , ROAD-DRY , STRAIGHT/GRADE; DAYLIGHT; STOP SIGN CASE: 4431375

7 07/21/84, SAT 03PM, , INJ- 1, VEH- 2, COLL W/MOT VEH, HEAD ON , INT-94
9504 VEH 1, GOING STRAIGHT , ON ROAD , TRAVEL-W , UNKNOWN BACKING
1185 VEH 2, GOING STRAIGHT , ON ROAD , TRAVEL-E , ALCOHOL , MISUSE LANE
CLEAR , ROAD-DRY , CURVE/GRADE ; DAYLIGHT; NO PASS ZONE CASE: 4443108

7 09/06/84, THU 07PM, PDD , , VEH- 2, COLL W/MOT VEH, OVERTAKE, INT-94
9504 VEH 1, RIGHT TURN , ON ROAD , TRAVEL-W , IMPROPER TURN , INATTENTION
1185 VEH 2, GOING STRAIGHT , ON ROAD , TRAVEL-W , UNKNOWN
CLEAR , ROAD-DRY , STRAIGHT/GRADE; DAYLIGHT; NO PASS ZONE CASE: 4521178

7 95041185, 09/30/85, MON, NON-REPORTABLE, INT-94, E/B S/B CASE: 5580430

7 11/12/86, WED 06PM, PDD , , VEH- 2, COLL W/MOT VEH, REAR END , 2 m. W
9504 VEH 1, SLOWING/STOPPING, ON ROAD , TRAVEL-E , ANIMAL ACTION Zicka P
1186 VEH 2, GOING STRAIGHT , ON ROAD , TRAVEL-E , TAILGATING
CLEAR , ROAD-DRY , STRAIGHT/GRADE; DARK ; NO PASS ZONE CASE: 6710093

7 95041188, 01/08/85, TUE, NON-REPORTABLE, INT-00, S/B Failed to stop w/B CASE: 5112315

4-23-85 11:15 AM 245P NB / EB Truck (pulled out when
12-22-85 11:15 AM 115. ...
deed

7 9504 1184-1190 END - OF - RANGE

HIGHWAY LOCATION RANGE: 7 9504 1887-1890 DATES: 02/84-01/87 OPT/AADT: A/0000

ON-LINE ACCIDENT DATA AVAILABLE ONLY FOR PERIOD JANUARY 1981 - JANUARY 1987

7 95041887, 12/20/85, FRI, NON-REPORTABLE, CASE: 5764504

HIGHWAY LOCATION RANGE: 30A 9501 1110-1112 DATES: 02/84-01/87 OPT/AADT: A/0000

ON-LINE ACCIDENT DATA AVAILABLE ONLY FOR PERIOD JANUARY 1981 - JANUARY 1987

X 30A95011111, 10/17/85, THU, NON-REPORTABLE,

CASE: 5613603

----- 30A 9501 1110-1112 END - OF - RANGE

HIGHWAY LOCATION RANGE: 30A 9501 1119-1121 DATES: 02/84-01/87 OPT/AADT: A/0000

ON-LINE ACCIDENT DATA AVAILABLE ONLY FOR PERIOD JANUARY 1981 - JANUARY 1987

NO N73DESC FILE ACCIDENT DATA FOUND IN RESPONSE TO THIS REQUEST

----- 30A 9501 1119-1121 END - OF - RANGE

4431375	4443108	4521178	4625369	5112315	5456291	5580430
5613603	5670516	5752055	5764504	6619017	6710093	6807777

NUMBER OF ACCIDENTS: 14

----- 30A95011110 0480-0383 START OF RANGE

----- 30A95011110 0480-0383 START OF RANGE

95011110, 11/27/80, THU, NON-REPORTABLE, INT-00,

CASE # 0559341

95011110, 03/08/83, TUE, NON-REPORTABLE, INT-00,

CASE # 3199008

7/10/82 SAT 01PM, ,INJ-01,VEH- 2,COLL W/MOT VEH,LEFT TURN
VEH 1,LEFT TURN , ON ROAD,TRAVEL-W ,FAIL YIELD ROW
VEH 2,GOING STRAIGHT , TRAVEL-N ,MOTORCYCLE
CLEAR ,ROAD-DRY ,STRAIGHT/GRADE,DAYLIGHT,YIELD SIGN ,CASE 2401510

@ IBB Ramp

95011112

0480-0383 NO ACCIDENTS ON FILE FOR THIS REF. MARKER

----- 30A95011112 0480-0383 END OF RANGE

----- 30A95011112 0480-0383 END OF RANGE

Operations data

ACCIDENTS

RT 7 & 30A WITH ZICHA RD.

FROM 2/84 TO 12/87 - 3 YRS 10 MO.

7-15-84	→↑	PI
7-21-84	BACKING, ALCOHOL	PI
9-6-84	IMPROPER TURN	PDO
9-28-84	FTY; 1-FATAL →↑	F
10-8-85	FTY →↑	PDO
9-30-85	FTY →↑	PDO
10-17-85	RT TURN INTO GUIDERAILS - 1VEH	PDO
12-20-85	NON INTERSECTIONAL - DEER	PDO
3-12-86	TOWED VEHICLE BROKE LOOSE STRIKING 2VEH. STOPPED AT INTERSECTION	PDO
11-4-86	FTY →↑	PI
12-12-86	NON-INTERSECTIONAL - DEER	PDO
5-22-87	FTY; →↑	PI
6-19-87	FTY; →↑	PI
11-25-87	FTY; →↑	PDO